

LIST OF CURRENT CLAIMS

1-27. (Canceled)

28. (New) A system for testing a display, comprising a test generator arranged to display a series of test patterns, each at a different luminance or colour, and with a predetermined minimum difference of luminance or colour from their background, each pattern being unpredictable to a user, and having a test evaluator arranged to determine and record if the user has correctly identified each of the patterns, wherein the test generator is arranged to display alongside each displayed test pattern a selection of candidate patterns for the user to choose a matching pattern.

29. (New) The system of claim 28, the test generator being arranged to display an array of more than one of the test patterns at a time.

30. (New) The system of claim 28, including a device arranged to set the minimum difference.

31. (New) The system of claim 28, including a device arranged to send a result of the testing, and an identifier of the display being tested, to a remote database.

32. (New) The system of claim 31, including a device arranged to retrieve calibration data from the remote database for a display of a same type as the display for which the result of the testing have been stored previously.

33. (New) The system of claim 28, including a device arranged to select different levels of background luminance or colour to test, the selection being spread across the range of the display.

34. (New) The system of claim 33, including a device arranged to choose a different selection for subsequent tests, to test all levels after a given number of tests.

35. (New) The system of claim 28, including a calibrator for altering circuitry used to derive the driving levels of the display.

36. (New) A display comprising the system of claim 28.

37. (New) A method of testing a display comprising the steps of displaying a series of test patterns, each at a different luminance or colour, and with a predetermined minimum difference of luminance or colour from their background, each pattern being unpredictable to a user, and determining and recording if the user has correctly identified each of the patterns, wherein displaying the series of test patterns includes displaying alongside each displayed test pattern a selection of candidate patterns for the user to choose a matching pattern.

38. (New) The method of claim 37, including the step of marking the display with indicia that the display is suitable for displaying medical images.